

Fig. 1

Dispatch File
Record
Record
⋮

~30

Exception File
Record
Record
⋮

~32

Invoice File
Record
Record
⋮

~34

Outbound Vehicle File
Record
⋮

~36

Employee File
Record
Record
⋮

~38

Employee Pager File
Record
⋮

~40

Pager Service File
Record
Record
⋮

~42

Automated Dispatch Requests File
Record
Record
⋮

44

Automated Dispatch Responses File
Record
Record
⋮

46

Automated Dispatch Setup File
Record
Record
⋮

~48

Status Limit File
Record
Record
⋮

~49

Fig. 2

Dispatch File

1Transport ID Number
2Status Flag (= " ", "D", "C", or "F")
3Date of Service
4Appointment Time (= <time> or "ASAP")
5Lead Time
6Transport Type (Wheelchair/Basic/AdvancedLifeSupport)
7Vehicle ID Number
8Driver Employee Number
9Attendant Employee Number
10Pickup Location
11Pickup Latitude
12Pickup Longitude
13Destination Location
14Destination Latitude
15Destination Longitude
16Time of Call
17Time Crew Notified
18Time Crew Dispatched
19Time Crew En Route to Pickup (Scene)
20Time Crew Arrived at Pickup (Scene)
21Time Crew En Route to Destination
22Time Crew Arrived at Destination
23Time Crew Reported as Available
24Reason for transport 1
25Reason for transport 2
26Reason for transport 3
27Reason for transport 4
28Patient ID number
29Name of caller
30Contract number
31Base rate codes
32Mileage rate codes
33Extra services rate codes
34Billing address codes

Fig. 3A

Invoice File

1Transport ID Number
2Date of Service
3Vehicle ID Number
4Driver Employee Number
5Attendant Employee Number
6Pickup Location
7Destination Location
8Time of Call
9Time Crew Notified
10Time Crew Dispatched
11Time Crew En Route to Pickup (Scene)
12Time Crew Arrived at Pickup (Scene)
13Time Crew En Route to Destination
14Time Crew Arrived at Destination
15Time Crew Reported as Available
16Reason for transport 1
17Reason for transport 2
18Reason for transport 3
19Reason for transport 4
20Patient ID number
21Name of caller
22Contract number
23Base rate codes
24Mileage rate codes
25Extra services rate codes
26Billing address codes

Fig. 3B

Outbound Vehicle File

1Vehicle ID Number
2Transport ID Number

Fig. 3C

Employee File

1Employee ID Number
2Employee Name

Fig. 3D

Employee Pager File

- 1 Employee ID Number
- 2 Pager Service Code Number
- 3 Pager PIN Number
- 4 Pager Phone Number
- 5 Text or Alpha ("T" or "A")

Fig. 3E

Pager Service File

- 1 Pager Service Code Number
- 2 Pager Service Modem Number
- 3 Pager Modem Login ID
- 4 Pager Modem Password
- 5 Pager Modem Baud Rate
- 6 Pager Modem Word Length
- 7 Pager Modem Stop Bits
- 8 Pager Modem Script Name

Fig. 3F

Automated Dispatch Requests File

- Message Packet Key Code
 - Terminal ID Number
 - Transport ID Number
 - Unique Sequence Number (000)
- Message Body

Fig. 3G

Automated Dispatch Responses File

- Message Packet Key Code
 - Terminal ID Number
 - Transport ID Number
 - Unique Sequence Number (000)
- Message Body

Fig. 3H

Automated Dispatch Setup File

- 1Company Code
- 2Dispatch Advance Action Setting (minutes)
- 3Monitor Status Late Activity ("Yes"/"No")
- 4AVL Port Operating System Name
- 5AVL Port Lock File Name

Fig. 3I

Exception File

- 1Transport ID Number
- 2Exception code

Fig. 3J

Status Limit File

- 1Company Code
- 2Notified limit (minutes)
- 3Dispatched limit (minutes)
- 4En Route to Pickup limit (minutes)
- 5Arrived limit (minutes)
- 6En Route to Destination limit (minutes)
- 7At Destination Limit (minutes)
- 8ASAP Limit (minutes)

Fig. 3K

From CAD

record code = 01
 record ID = transport number + terminal number + sequence (000)
 transport / vehicle type (als / bls / w/c)
 pick up address
 pick up city
 pick up state
 pick up zip code
 quantity of vehicle to return from search
 CRC

Fig. 3K-1

From AVL

record code = 02
 record ID = transport number + terminal number + sequence (000)
 vehicle string (sorted closest to farthest away from address)
 CRC

Fig. 3K-2

From CAD

record code = 10
record ID = transport number + terminal number + sequence (000)
vehicle ID number
pick up address
5 pick up city
pick up state
pick up zip
destination address
10 destination city
destination state
destination zip
CRC

Fig. 3L-1

From AVL

record code = 11
record ID = transport number + terminal number + sequence (000)
route string
CRC

Fig. 3L-2

From CAD

record code = 30
 record ID = transport number + terminal number + sequence (000)
 vehicle ID number
 transport number
 5 date of service
 appointment time
 transport type
 patient name
 patient phone number
 10 pick up street address
 pick up city
 pick up state
 pick up zip code
 destination street address
 15 destination city
 destination state
 destination zip code
 reason for transport 1
 reason for transport 2
 20 reason for transport 3
 reason for transport 4
 time of call
 notified
 dispatched
 25 in route
 arrive pick up
 in route
 arrive destination
 available
 30 route message
 CRC

Fig.
3M-1**From AVL**

record code = 31
 record ID = transport number + terminal number + sequence (000)
 CRC

Fig.
3M-2

From CAD

record code = 70
 record ID = transport number + terminal number + sequence (000)
 transport number
 vehicle number
 pickup street address
 pickup city
 pickup state
 pickup zip code
 destination street address
 destination city
 destination state
 destination zip code
 CRC

Fig 3N-1

From AVL

record code = 71
 record ID = transport number + terminal number + sequence (000)
 transport number
 pickup latitude
 pickup longitude
 destination latitude
 destination longitude
 CRC

Fig. 3N-2

From CAD

record code = 60
record ID = vehicle ID number
vehicle ID number
transport number
5 transport type
appointment time
transport status code
transport status time
driver employee number
10 attendant employee number
patient name
pick up address
pick up city
pick up state
15 pick up zip code
destination address
destination city
destination state
destination zip code
CRC

Fig. 30-1

From AVL

record code = 61
record ID = vehicle number
CRC

Fig. 30-2

From AVL

record code = 50 ID
 record ID = vehicle number
 CRC

Fig. 3P-1

From CAD

record code = 51
 record ID = vehicle ID number
 vehicle ID number
 transport number
 transport type
 appointment time
 transport status code
 transport status time
 driver employee number
 attendant employee number
 patient name
 pick up address
 pick up city
 pick up state
 pick up zip code
 destination address
 destination city
 destination state
 destination zip code
 CRC

Fig. 3P-2

From AVL

record code = 40
 record ID = transport number + vehicle ID number + sequence (000)
 vehicle ID number
 transport number
 5 date of service
 appointment time
 transport type
 patient name
 patient phone number
 10 pick up street address
 pick up city
 pick up state
 pick up zip code
 destination street address
 15 destination city
 destination state
 destination zip code
 reason for transport 1
 reason for transport 2
 20 reason for transport 3
 reason for transport 4
 time of call
 notified
 dispatched
 25 in route
 arrive pick up
 in route
 arrive destination
 available
 CRC

Fig. 3Q-1

From CAD

record code = 41
 record ID = transport number + vehicle ID number + sequence (000)
 vehicle ID number
 CRC

Fig. 3Q-2

From AVL

record code = 20
record ID = transport number + vehicle number
status level (1 - 8 from mobile data terminal switch device)
CRC

Fig. 3R-1

From CAD

record code = 21
record ID = transport number + vehicle number
status level (1 - 8 returned for acknowledgment)
CRC

Fig. 3R-2

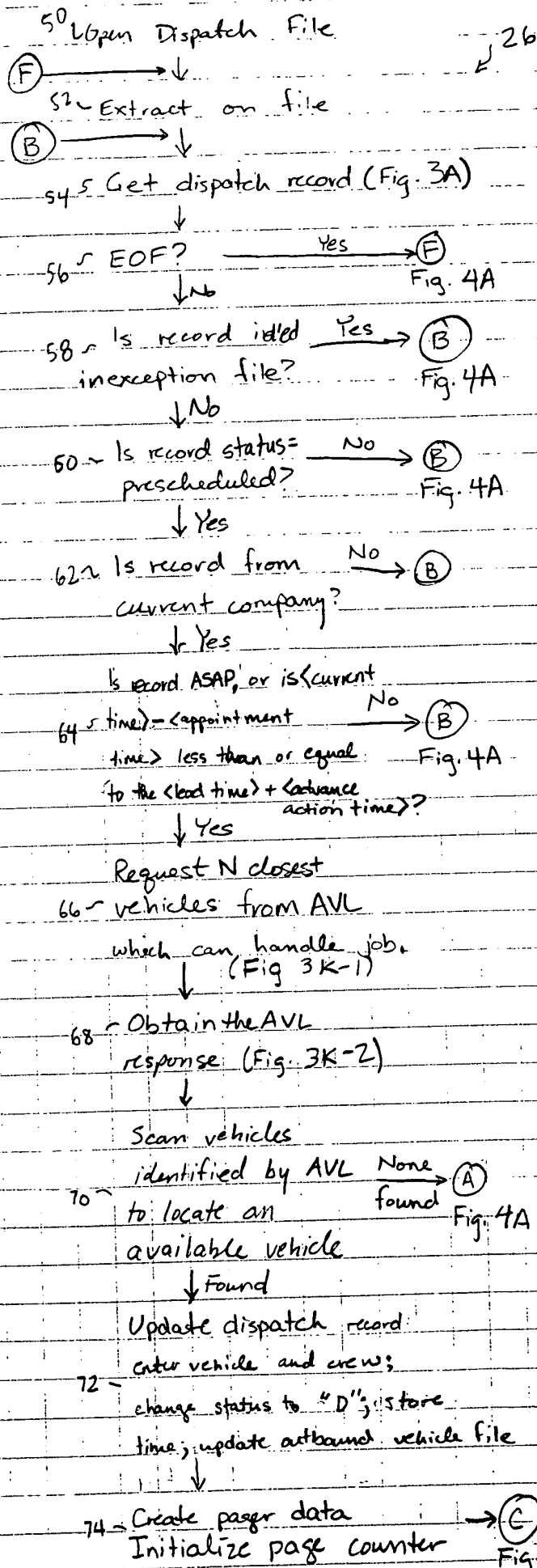
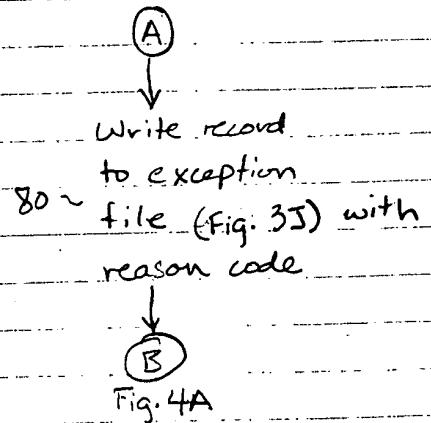


Fig. 4A



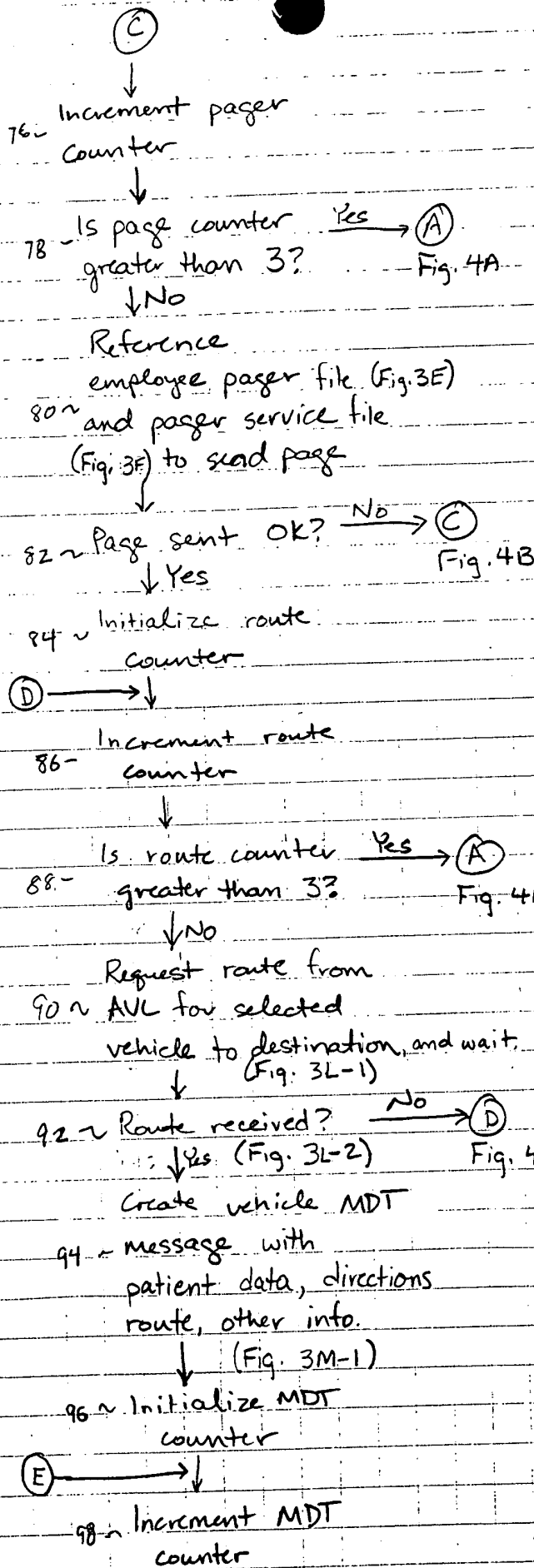
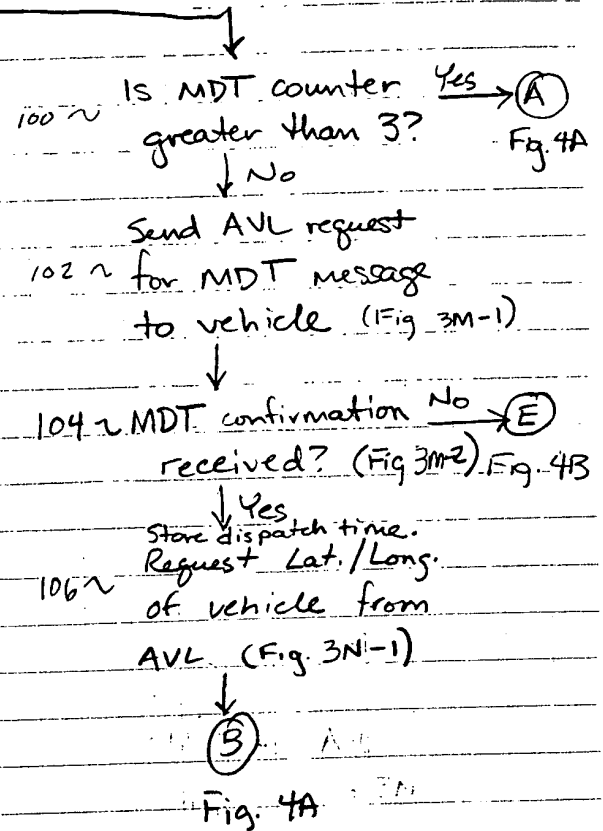


Fig. 4B



120 ~ Open Dispatch File

(C)

122 ~ Extract on file

(B)

Get dispatch

124 ~ record (Fig. 3A)

126 ~ EOF?

(C)

Fig. 5

128 ~ Is record id'd in exception file?

Yes

(B)

Fig. 5

No

130 ~ Is record status = dispatched?

No

(B)

Fig. 5

Yes

132 ~ Is record from current company?

No

(B)

Fig. 5

Yes

134 ~ Has vehicle reported as arrived?

Yes

No

136 ~ Is this an appointment or ASAP record?

ASAP

138

Appointment

137

Compare (current time) minus (time of call) to (ASAP limit) to determine whether vehicle is late

Vehicle Not late

Vehicle Late

(A)

Fig. 5

Compare (appointment time) and (current time) to determine whether vehicle is late.

Vehicle Not late

140 ~ Status late monitoring enabled for company?

Yes

Compare limit setting for current status to (current time) - (status time) to determine whether vehicle is late.

142

Vehicle Late

(A)

Fig. 5

No

Vehicle Not Late

28

Fig. 5

(A)

Write record to exception file (Fig. 35)

160 ~ with reason code

(B)

Fig. 5

Has vehicle reported as available?

No

(B)

Fig. 5

144

Yes

Mark record as finished and write

to dispatch file. Delete record from outbound vehicle file

146

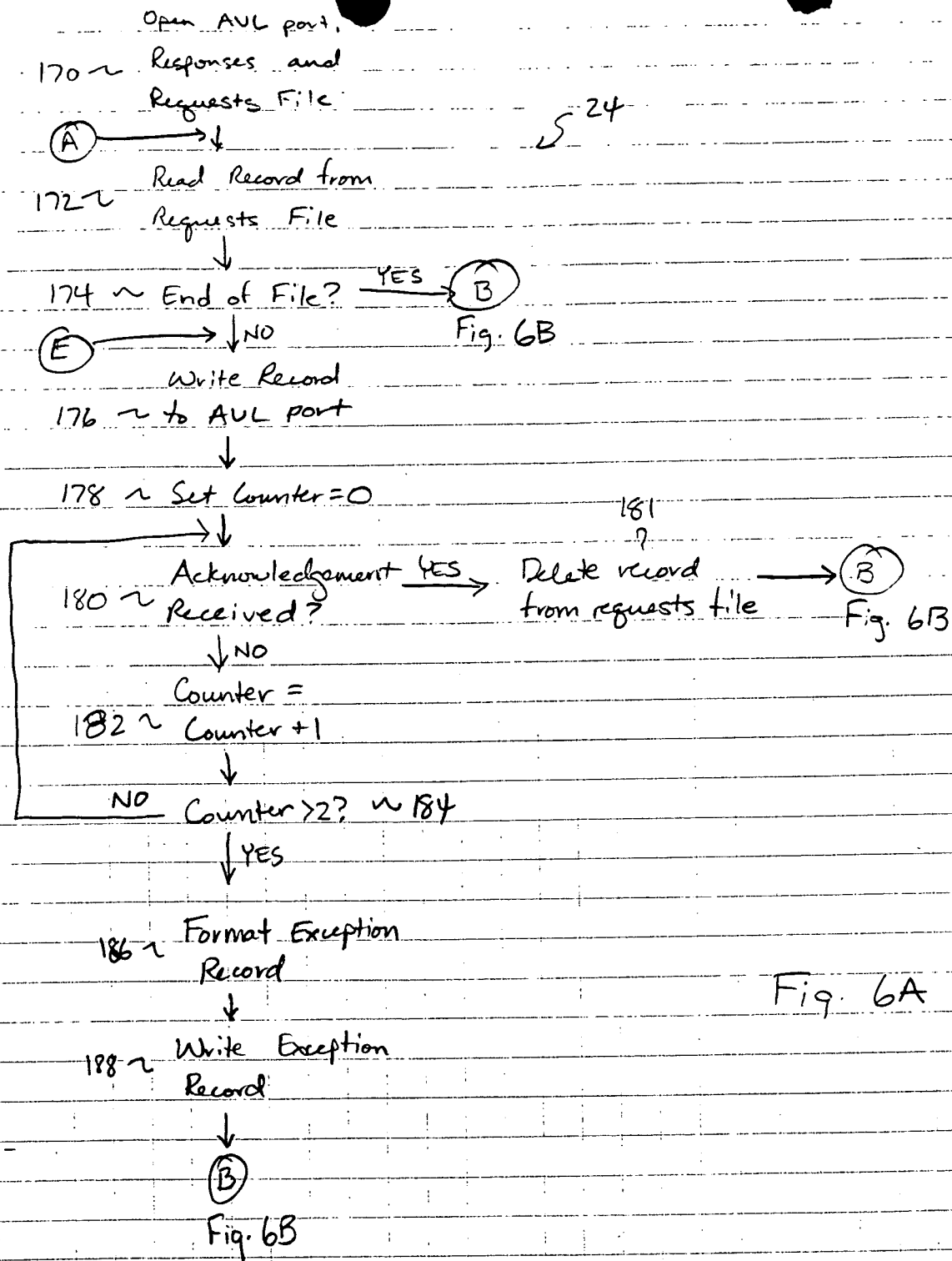
Create invoice record (Fig. 3B) from dispatch record and write to invoice file

148

Notify AVL of new vehicle status (Fig. 30-1)

(B)

Fig. 5



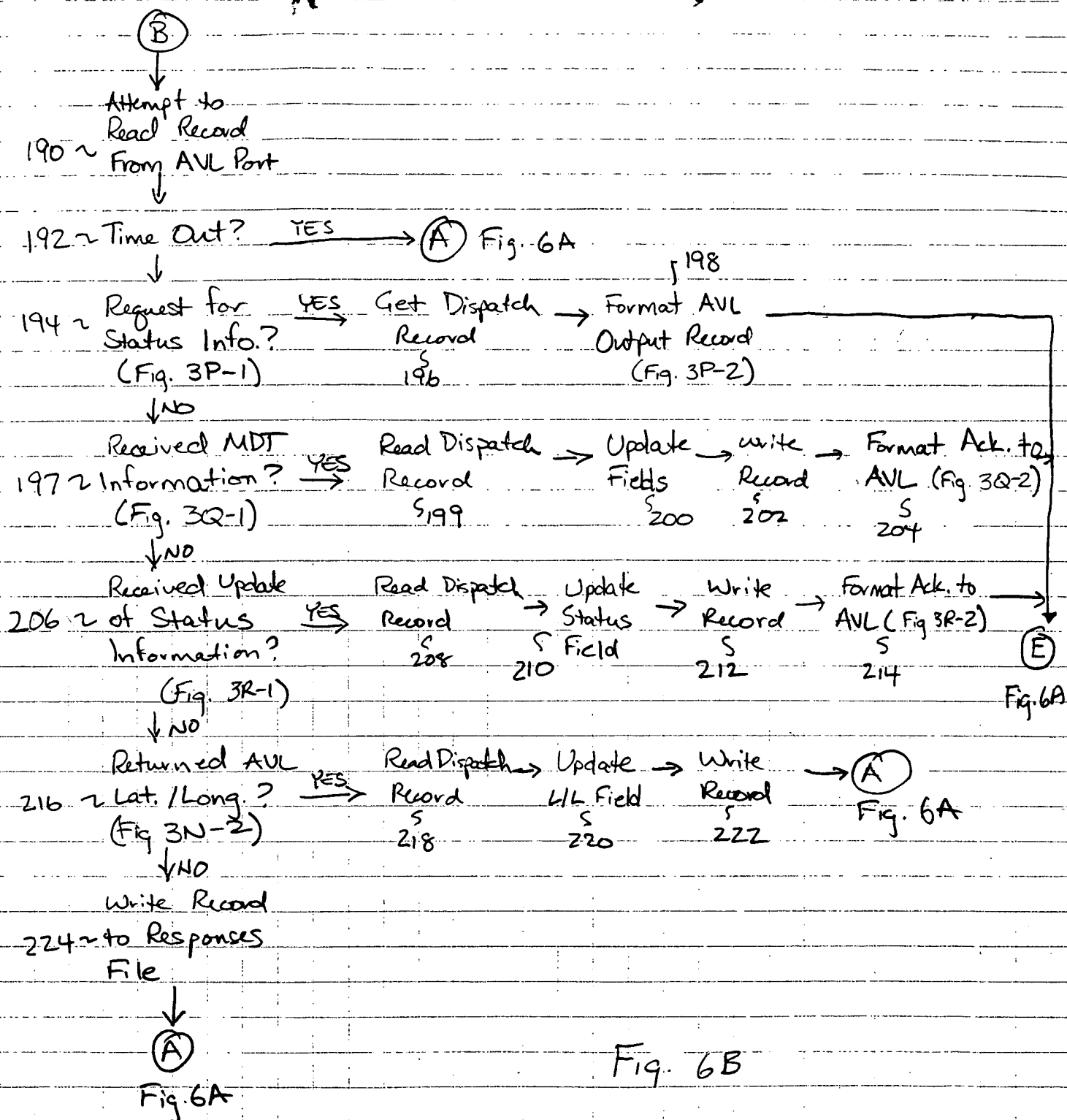


Fig. 6B